

The detailed EMP to be implemented at proposed the project site

Potential impacts	Proposed Mitigation Measures	Impact rating	Responsible party	Monitoring time-frame
<p>1. Noise and Air Quality concerns (Expected sources of noise pollution include vehicles and machinery. Air pollution is anticipated to arise from exhaust from engines)</p>	<ul style="list-style-type: none"> -Sprinkling water to dusty areas during site preparation and Drilling operations -Containment of noisy operations, including locating noise operations away from sensitive neighbourhoods -Limit drilling works to day time only -Drilling work to take shortest time possible -Selection of appropriate machinery and regular servicing of machinery and vehicles, -Provision by contractor and Use of ear plugs by construction workers . 	Low	Contractor	Daily, for the duration of the drilling exercise.
<p>2. Soil Erosion (drilling and heavy machinery movement will expose top soil to possible soil erosion).</p>	<ul style="list-style-type: none"> -Loose soils to be used to fill back excavated/disturbed areas. -Loose soils to be compacted with a mechanical roller so as to avoid erosion by wind or surface runoff. 	Low	Contractor	Once off after completion of drilling activities.
<p>3. Impact on ground water resources (increased demand for water).</p>	<ul style="list-style-type: none"> -Put proper measures for collection and disposal of spilled oils and lubricants - Ensure the available underground water quantity can sustain the identified activities. 	Low	Contractor/Proponent (EIF)	The contractor will monitor the collection and disposal of spilled oils daily, throughout the drilling exercise and the proponent will monitor water quantity after drilling on a continuous basis until the end of CRAVE project.

<p>4. Health and Safety Risks (Risk of accident incidents is anticipated with the drilling activities. Drilling workers will be in direct contact with heavy machinery and equipment Health, safety and security are important aspects throughout the project implementation).</p>	<p>-Design and implement safety measures and emergency plans to contain accident risks, -Regular Training on health and safety to workers shall be conducted, -Provide workers with protective clothing (nose and mouth masks, ear muffs, overalls, industrial/safety boots and gloves) and helmets, -Avail first aid kits on site</p>	<p>Low</p>	<p>Contactor/Propone nt (EIF)</p>	<p>Daily, for the duration of the drilling exercise.</p>
<p>6. Increased risk of Covid-19 (Increased risk of Covid-19 can occur due to handling of the same tools and equipment at the drilling site and social interactions between drilling workers and local people)</p>	<p>-Provide workers with face masks and hand sanitizers to reduce the risk of contracting Covid-19.</p>	<p>Low</p>	<p>Contractor</p>	<p>Daily, for the duration of the drilling exercise.</p>